

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

324 South State, State 301 Salt Lake City, Utah 84111-2803

IN REPLY REFER TO:

(UT-920) UTU-0122693

AUG 31 1995 DIV. OF OIL, GAS& MINING

CERTIFIED MAIL—Return Receipt Requested

Ziegler Chemical & Mineral Corporation

clo Mr. Robert E. Covington P.O. Box 1845 Vernal, Utah 84078

Re: Approval of Minor Modification to Begin Shaft #2 Tabling of Indiana Mine Plan at Gilsonite for the Cowboy-Bandana Mine Plan at Gilsonite

On February 1, 1995, the Bureau of Land Management (BLM) received a request for a minor modification includes modification to the approved Cowboy-Bandana mine plan. This minor modification to the approved Cowboy-Bandana mine plan. modification to the approved Cowboy-Bandana mine plan. This minor modification includes and mine plan. This minor modification includes a hold to the approved Cowboy-Bandana mine plan. This minor modification includes a hold to the approved Cowboy-Bandana mine plan. The facilities will include a hoist house, headframe, and sinking the second shaft before closure of shaft will include a hoist house, headframe, and the strike of the vein. The facilities will include a hoist house, headframe, and sinking the second shaft before closure of shaft will include a hoist house, headframe, and the strike of the vein. sinking the second shaft before closure of shaft #1 at a location 1,000 feet NW from shaft. This This are second shaft before closure of shaft #1 at a location 1,000 feet NW from shaft and the second shaft before closure of shaft #1 at a location 1,000 feet NW from shaft and the second shaft before closure of shaft #1 at a location 1,000 feet NW from shaft and the second shaft before closure of shaft #1 at a location 1,000 feet NW from shaft to shaft #1 at a location 1,000 feet NW from shaft will include a hoist house, 1.1 acres. This along the second shaft before closure of shaft #1 at a location 1,000 feet NW from shaft will include a hoist house, 1.1 acres. This along the second shaft before closure of shaft #1 at a location 1,000 feet NW from shaft #1 at a location 1,000 feet NW from shaft #1 at a location 1,000 feet NW from shaft #1 at a location 1,000 feet NW from shaft #1 at a location 1,000 feet NW from shaft #1 along the second shaft before closure of shaft #1 at a location 1,000 feet NW from shaft #1 along the second shaft before closure of shaft #1 at a location 1,000 feet NW from shaft #1 at a location 1,000 feet NW from shaft #1 acres. The second shaft before closure of shaft #1 at a location 1,000 feet NW from shaft #1 acres. The second shaft before closure of shaft #1 acres will include a hoist house for shaft #1 acres will be approximately 1.1 acres will be approximat #1 along the strike of the vein. The facilities will include a hoist house, headframe, will be approximately 1.1 acres.

The facilities will include a hoist house, headframe, will be approximately 1.1 acres.

The facilities will include a hoist house, headframe, will be approximately 1.1 acres.

The facilities will include a hoist house, headframe, will be approximately 1.1 acres.

The facilities will include a hoist house, headframe, will be approximately 1.1 acres.

The facilities will include a hoist house, headframe, will be approximately 1.1 acres.

The facilities will include a hoist house, headframe, will be approximately 1.1 acres.

The facilities will include a hoist house, headframe, will be approximately 1.1 acres.

The facilities will include a hoist house, headframe, will be approximately 1.1 acres.

The facilities will include a hoist house, headframe, will be approximately 1.1 acres.

The facilities will include a hoist house, headframe, will be approximately 1.1 acres.

The facilities will include a hoist house, headframe, will be approximately 1.1 acres.

The facilities will include a hoist house, headframe, will be approximately 1.1 acres.

The facilities will include a hoist house, headframe, will be approximately 1.1 acres.

The facilities will include a hoist house, headframe, headframe, will be approximately 1.1 acres.

The facilities will include a hoist house, headframe, headfram other out buildings. The proposed disturbance will be approximately 1.1 acres. This existing but sequential impact under under sequential impact under sequential impact under sequential impact under out shaft site but sequential acres shaft site of the sequential impact under cx 1995-61 for simultaneous shaft site of the sequential impact under cx 1995-61 for simultaneous shaft site of the sequential impact under cx 1995-61 for simultaneous shaft site of the sexisting of the se disturbance is covered as a cumulative but sequential impact under the shaft site but sequential impact under cx 1995-61 for simultaneous shaft site environmental Analysis, but was reanalyzed under CX 1995-61 for simultaneous shaft site environmental Analysis, but was reanalyzed under CX 1995-61 for simultaneous shaft site environmental Analysis, but was reanalyzed under CX 1995-61 for simultaneous shaft site environmental Analysis, but was reanalyzed under CX 1995-61 for simultaneous shaft site environmental Analysis, but was reanalyzed under CX 1995-61 for simultaneous shaft site environmental Analysis, but was reanalyzed under CX 1995-61 for simultaneous shaft site environmental Analysis, but was reanalyzed under CX 1995-61 for simultaneous shaft site environmental Analysis, but was reanalyzed under CX 1995-61 for simultaneous shaft site environmental Analysis, but was reanalyzed under CX 1995-61 for simultaneous shaft site environmental Analysis, but was reanalyzed under CX 1995-61 for simultaneous shaft site environmental Analysis, but was reanalyzed under CX 1995-61 for simultaneous shaft site environmental envir Dear Mr. Covington: The second shaft is required due to the extensive amount of rock that has been encountered to get in shaft #2 will have a drift driven to the southeast in order to attempt to get in shaft #1. The second shaft is required due to the extensive amount of rock that has been encountered to get a drift driven to the southeast in order to attempt to get in shaft #1. Shaft #2 will have a drift driven of the ore.

Under the rock and obtain better recovery of the ore.

(#1 and #2) operation.

under the rock and obtain better recovery of the ore.

Enclos

cc: Nor.

Zieg Star

Verna

Gordor. Ziegler 100 Jeri Jericho,

Tony Galle Utah Divisio

1. If a new change house is to be located at shaft site #2, the lessee shall be required to submit a minor modification to the mine plan to BLM prior to construction. 1. If a new change house is to be located at shaft site #2, the lessee shall to be located at shaft site #2, the located at shaft s 2. As per the **stipula**tions for the approval of the mine plan, if water is encountered during. The water shall be sampled and tested within 30 days. The water shall be notified within 30 days. 2. As per the stipulations for the approval of the mine plan, if water is encountered during. The water shall be sampled and tested. The water shall be sampled of the Vernal The water shall be sent to Karl Wright of the Vernal within 30 days. The BLM shall be notified within 30 days. The blank shall be sent to Karl Wright of the results shall be sent to Karl Wright of the mining, the BLM shall be notified within 30 days. mining, the BLM shall be notified within 30 days. The water shall be sampled and tested within 30 days. The water shall be sent to Karl Wright of the Vernal shall be sent to Karl Wright of the Vernal for the enclosed list of constituents and the results shall be sent to Karl Wright of the Vernal for the enclosed list of constituents and this office.

The water shall be sampled and tested within 30 days. The water shall be sent to Karl Wright of the Vernal shall be sent to Karl Wright of the Ve ADVISORY NOTICES:

District Office and Stan Perkes at this office.

There are no additional on-the-ground concerns with this modification. the total operation in not increase the amount of surface acreage to be disturbed as part of the total operation. There are no additional on-the-ground concerns with this modification. This proposal does with this modification. This proposal does the are no additional on-the-ground concerns with this modification. Categorical as a Categorical are not increase the amount of surface acreage to be disturbed as part of the total operation in the acreage to be disturbed as part of the total operation in the categorical and therefore is classified as a Categorical and increase the amount of surface plan and therefore is classified as a Categorical are increase the amount of surface plan and therefore is classified as a Categorical are increase the amount of surface plan and therefore is classified as a Categorical are increase the amount of surface plan and therefore is classified as a Categorical are increase the amount of surface plan and therefore is classified as a Categorical are increase the amount of surface plan and therefore is classified as a Categorical are increase the amount of surface plan and therefore is classified as a Categorical are increase the amount of surface plan and therefore is classified as a Categorical are increase the amount of surface plan and therefore is classified as a Categorical are increased as a Categ not increase the amount of surface acreage to be disturbed as part of the total operation in and therefore is classified as mining plans.

The plan and therefore is classified as mining plans and therefore is classified as mining plans.

The plan and therefore is classified as mining plans and therefore is classified as mining plans.

The plan and the approved minor modification to mining plans.

The plan and the approved minor modification to mining plans.

The plan and the approved minor modification to mining plans.

The plan and the approved minor modification to mining plans.

The plan and the approved minor modification to mining plans.

The plan and the approved minor modification to mining plans.

The plan and the approved minor modification to mining plans.

The plan and the approved minor modification to mining plans.

The plan and the approved minor modification to mining plans. EA 1994-39 and in the approved mine plan and therefore is classified as a Categorical and therefore is classified as a Categorical and therefore is classified as a Categorical to mining plans.

A 1994-39 and in the approved mine plan and therefore is classified as a Categorical and the original and therefore is classified as a Categorical to mining plans.

A 1994-39 and in the approved mine plan and therefore is classified as a Categorical and therefore is classified as a Categorical as a Categorical and therefore is classified as a Categorical and the original and therefore is classified as a Categorical and the original and therefore is classified as a Categorical and the original and therefore is classified as a Categorical and the original and therefore is classified as a Categorical and the original and therefore is classified as a Categorical and the original and therefore is classified as a Categorical and the original and the original and therefore is classified as a Categorical and the original and therefore is classified as a Categorical and the original and therefore is classified as a Categorical and the original and therefore is classified as a Categorical and the original and the Exclusion, under 516 DM 6, Section 5.4 F (8), approved minor modification to mining plans. The decision record states that A Categorical Exclusion (CX) 1995-61 has been utilized on this action record states that A Categorical Exclusion (CX) 1995-61 has been utilized on the decision record states that A Categorical Exclusion (CX) 1995-61 has been utilized on the decision record states that A Categorical Exclusion (CX) 1995-61 has been utilized on this action because the original that the decision record states that A Categorical Exclusion (CX) 1995-61 has been utilized on this action because the original that the decision record states that the decision record states that A Categorical Exclusion (CX) 1995-61 has been utilized on this action because the original that the decision record states that the decision record st National Environmental Policy Act (NEPA): A Categorical Exclusion (CX) 1995-61 has been utilized on this action because the original. The decision record states that EA did not address shaft sites being simultaneously opened. The decision record states that there would be no major impacts.

there would be no major impacts.

M/047/013

3504



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office

IN REPLY REFER TO: 324 South State, Suite 301 Salt Lake City, Utah 84111-2303 (UT-920) JTU-0122693 AUG 3 1 1995

CERTIFIED MAIL—Return Receipt Requested

Ziegler Chemical & Mineral Corporation c/o Mr. Robert E. Covington P.O. Box 1845 Vernal, Utah 84078

> Re: Approval of Minor Modification to Begin Shaft #2 for the Cowboy-Bandana Mine Plan at Gilsonite Lease U-0122693

DIV. OF OIL, GAS & MINING

Dear Mr. Covington:

On February 1, 1995, the Bureau of Land Management (BLM) received a request for a minor modification to the approved Cowboy-Bandana mine plan. This minor modification includes sinking the second shaft before closure of shaft #1 at a location 1,000 feet NW from shaft #1 along the strike of the vein. The facilities will include a hoist house, headframe, and other out buildings. The proposed disturbance will be approximately 1.1 acres. This disturbance is covered as a cumulative but sequential impact under the existing Environmental Analysis, but was reanalyzed under CX 1995-61 for simultaneous shaft site (#1 and #2) operation.

The second shaft is required due to the extensive amount of rock that has been encountered in shaft #1. Shaft #2 will have a drift driven to the southeast in order to attempt to get under the rock and obtain better recovery of the ore.

ADVISORY NOTICES:

- 1. If a new change house is to be located at shaft site #2, the lessee shall be required to submit a minor modification to the mine plan to BLM prior to construction.
- 2. As per the stipulations for the approval of the mine plan, if water is encountered during mining, the BLM shall be notified within 30 days. The water shall be sampled and tested for the enclosed list of constituents and the results shall be sent to Karl Wright of the Vernal District Office and Stan Perkes at this office.

National Environmental Policy Act (NEPA):

There are no additional on-the-ground concerns with this modification. This proposal does not increase the amount of surface acreage to be disturbed as part of the total operation in EA 1994-39 and in the approved mine plan and therefore is classified as a Categorical Exclusion, under 516 DM 6, Section 5.4 F (8), approved minor modification to mining plans. A Categorical Exclusion (CX) 1995-61 has been utilized on this action because the original EA did not address shaft sites being simultaneously opened. The decision record states that there would be no major impacts.

BOND:

Since two shaft sites will be operating concurrently, reclamation bonding will be required for each site. As stated in our letter of August 18, 1995, all of Ziegler's lease liabilities could be covered by a single \$47,000 Statewide bond.

APPROVAL:

The BLM approves the opening of the second shaft site with the above conditions (bond and advisory notices). Work on the 2nd shaft site **shall not begin** until the required bond amount, addressed in our August 18, 1995, letter, has been accepted in writing by the BLM. The BLM has determined that this minor modification to the mine plan is in compliance with the Mineral Leasing Act of 1920, as amended, and the regulations at 43 CFR 3580, the lease terms and stipulations and will achieve Ultimate Maximum Recovery of the resource. There are **no** additions or deletions of the reserves due to this approval. If you have any questions, please contact Stan Perkes, Utah State Office, Bureau of Land Management, at (801) 539-4036.

Sincerely,

G. William Lamb State Director

Douglas M. Koga

Enclosure

cc: Norman Haslam, Ziegler Chemical and Mineral Corporation Star Route Vernal, Utah 84078

Gordon Ziegler, Jr.
Ziegler Chemical and Mineral Corporation
100 Jericho Quadrangle
Jericho, New York 11753

Tony Gallegos
Utah Division of Oil, Gas, and Mining

Water measurements for encountering water during drilling and/or mining.

Magayramanta		=
Measurements	Reported As	
Water level or Flow	Depth, CFS, CFM	
На	Standard Units	
Total Dissolved Solids (TDS)	mg/L	
Total Suspended Solids (TSS)	mg/L	
Oil and Grease	mg/L	
Aluminum (Total)	ug/L	-
Iron (Total)	ug/L	
Antimony (Total)	ug/L	
Arsenic (Total)	ug/L	
Beryllium (Total)	ug/L	
Cadmium (Total)	ug/L	
Chromium (Total)	ug/L	
Copper (Total)	ug/L	
Mercury (Total)	ug/L	,
Nickel (Total)	ug/L	
Seleium (Total)	ug/L	
Silver (Total)	ug/L	
Thallium (Total)	ug/L	
Zinc (Total)	ug/L	
Cyanide (Total)	ug/L	
Phenols (Total)	ug/L	
		\neg
	·	\dashv